

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023377**Date Inspected:** 31-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	N/A	CWI Present:	Yes	No			
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006	Component:	OBG Trial Assembly				

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Trial Assembly Area

4AW and 4BW (for Lift #4)

This Quality Assurance (QA) Inspector continues to monitor the installation of angles bolts for corner assembly for 4AE and 4BE as per the bolting Inspection notification sheet.

PP 28

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.
South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

PP 28 to 27.

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.
South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

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PP 27 to 26.

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

PP 26 to 25.

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

PP 25 to 24.

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap, apart from that 2 angles not been bolted and kept on pins as holes are misaligned.

South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap, apart from that 1 angles not been bolted and kept on pins as holes are misaligned.

4AE and 4BE (for Lift # 4)

This Quality Assurance (QA) Inspector continues to monitor the installation of angles bolts for corner assembly for 4AE and 4BE as per the bolting Inspection notification sheet.

PP 28

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

PP 28 to 27.

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

South side 2 corner assembly brackets in which 1 bracket has 4.4 mm gap and is connected to deck panel for corner assembly noticed gap.

PP 27 to 26.

North side 2 corner assembly brackets which are connected to deck panel for corner assembly noticed more gap on the top.

South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

PP 26 to 25.

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

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South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap.

PP 25 to 24.

North side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap, apart from that 2 angles not been bolted and kept on pins as holes are misaligned.

South side 2 corner assembly brackets which is connected to deck panel for corner assembly noticed gap, apart from that 1 angles not been bolted and kept on pins as holes are misaligned.

3AW and 3BW

This Quality Assurance (QA) Inspector continues to monitor the installation of bolts for Side panel's assembly for 3AW and 3BW.

PP 22 to 23

Side panel north side splice plate bolting in progress with A325 M bolts and manual tightening by hand been performed.

PP 21 to 22

Side panel south side splice plate bolting in progress with A325 M bolts and manual tightening by hand been performed.

PP 21

Floor beam to bottom plate heavy thickness area south side angles bolting in progress.

This QA Inspector performed Dimensional Inspection as per Dimension Control Plan (DCP) for U-Ribs and Longitudinal Diaphragms for 4AW and 5AW.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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Inspected By: Math,Manjunath

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer